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The Hacker Quarterly

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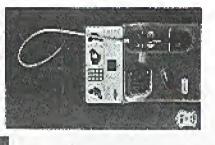
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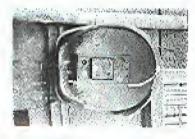
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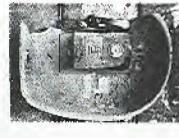
SPRING 1993

EUROPEAN PAYPHONES









Softe, Bulgaria ("Out of Order" written above dialer); Softe, Bulgaria ("Out of Munich, Germany (with emergency call bandle - left for fire, right for police); LEFT TO RIGHT FROM THE TOP: Budapest, Bungary; Salzburg, Austria; Order" strongly implied).

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Emmanuel Goldstein Editor-In-Chief

Office Manager Tamprut

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Afra Gibbs

The Secret Service andn't do a good job in this case. We know no investigation look place Phobody ever gave concern as to whether stabilies were Involved. We know there was demage." - Judge Sparks, Steve Jackson vs. Secret Service, January 26, 1997

Writers: Billsf, Bive Whale, Eric Corley, Count Zero, John Drake, Dr. Williams, and the digital majority. Bernie S., Silent Switchman, Scott Skinner, Mr. Upsetter. Keyin Mitrick, The Plague, Marshall Plann, David Ruderman, Paul Estey, Mr. French, Bob Hardy, Inhuman, Knight Lightning

Shout Outs: Jon L., Stove J., Franklin, Ozona and the Austinites Technical Expertise: Rop Gonggrip, Phiber Optik, Geo. C. Tilyou

Cellular Magi

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Section 2017 Forward Channel: The charged the call size

PROBLEMS 13 Remember throughout being sometime sound

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Prignic change. be deducated to see different applications: access add have station. The 21 exerted channels in each band may digital data between the collular pissue sed the coll Central channels are used to sand and receive only

changes are only used to high density trees. eached claimed functions will be served by the same committee for a colluter physic, the paging signature Paging character of each are the folding gase for an radge of channels to sean to find the second and puging access chancel for a perfection will. Multiple paging will start on a paying change to many systems, both ide cell phone. When the call is received to the desiral habbles done a to delth time the initial spice résearch phase will not excess channels where 2-way data page on ha originate a coal. The system and the cell channels. Access channels are used to respond to a such info as the system identification number and The chair on the forward control change is provides

handwaye one can change their MIN several times ADDRESS & COLL PROCESS ESSENTIAL MANAGEMENT FOR SAME etc. Some phones can be co-programmed via the adu (mendos)medes ud Aprisio proceduses deserra NAM: Marbor assignment Module. This is a

> that one cannot charge the USN SE NAW Sanders pregnantial onless one rewrites the opion cell sites when memory. Never cell site safesors is 30 MIS réprigest. This feature was used to decemb ductably the photo's software loose strop when there to the few countries this tries obtained the partiest being

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hinger's aggregated year MTSO's (Mebile Talephone Switching Offices; that All sects is published by AT&T, although the original may death is heavy when deating wick olderbroader eer 0 published in 1987 or ser A published in 1990 earful info and can be found at politic libraries, etc. 15. vertice is Revision 3). This about our contains tens of calls and transitor substrainer determines (newest sweether from different windows hand-off and deliver 18 41: The sewing restricted that will let out

Property the industry washed transautier. Tablika and Clabsh are both waits to probably uses a 16 the microspee link to a microsphi or and IS play to improve the control of a set of them then MTSQ's uppically use filter optic links to cell sizes

often carried by describe ubused calling patron > Those charging ESS/MIN's until after a cation has made his first call. (This govern will havis. The decent system is unable to detect leads relaying the ESN with end sing validation of a per then be be relayed to a second database, the visings simply men a coresect's calling gradie to dates an tracting the recurring real. They hope to reduce transition location register, magazined by the currier that is exhibition as well is automor profile into lor location register (ALR), weren the user's home earlier network preventy to a quadrate, known as the beans advanced features such as well-e good. That into will system The HER will provide information for MINESN for this phone will be excited as an §50 SST: As soon to a user lique counterful phone die

20 M. They differ only in excrete of the header. cell rate, standards are EEbb 802.6 (DQDR) and Suggestant and the types for the header. Two cassing Coll relay uses fixed lought perhans - 5g types the

the transmit (SEVERSE) and the deceive TROPINATION Each cellular has two recepteds are counted with 's,

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というで Channel specing: 30 mbr AMPS or 10 mbs

Reverse Change Info

sub audible digital equivalence that tide ander the NAMES air mertace specification for NAMES.) sudio. (See EIA - 353 for AMPS of Morprole's NAMPS, the data and terres have been replaced by deta. With AMPS, various cones are used. With efforces for recover to synchronize to the investing groupoed words with a distance binary presently than proquency state keying. The data is ferraphic than powerse data from the call phose are seen using control leatures. Froward data from the cell sate and power coutes? of the refletor redio phone, and special bands or house to benefit acting cell handelfs, unique exercises with signaling used with quick their Voice channels are used primarily

Signating Total (\$1) and Efficial ST (EST)

Channels ST is replaced by a digital equivalent robot assigned DSAT. The 10 kbz signal is sent for 50 Digital ST (DST owhich is the complement of the Arminations, and switch-both operation. Various base the cell site, including bandoffs, alert paders, cell to signal activities or to propositedge approximate from lengths are used on different ST solicities, Op NASSES usadily the mobile of the Schwerzer chancel (REVC) In AMPS, the supplies tone is a 20 kgs signal

SAT (Supervisory Audio Tone) and DSAT (Digital SAT)

The supervisory pudio tode (\$ACI) is one of those

SAT 0: 5070 ha SAT to 6000 to SAT 2: 5000

is in us of collect 2 that is, the serions frequencies) Team are used to AMES signaling. On NAMES

channels SAT is replaced by ace of seven sub-querible eightil eigenverste in exclassionic Citie CXT.

special participants the presence of the relephone's signed on the The returned of (SAT is used at the cell visc to serif) of the (flugat) vector to expect on the new resemble you a changed a size take the marries of the SAT freq When the CO signals the mobile regarding the new correct channel after a reponence change inssignment. isleghtone was infused too nearly that it is limited to the checked for haspenny or according by the cell place. REVERSE voice channel (REVC). The certains then enabspecified back to the cell lete on the SAT on DSAT is proceeded by the sell site

TSATE J. TO be deviation.

(200 to a NAMES) to appresent a logic low (or 0). AMES (200 hz in NAMES) to represent a logic high (a. 2), and the outier a shifted less 8 khz in AMPS Stations, where the surfeer is shright toght 8 and to cellular the data is transmissed as Resquency Key sending system union and mobile identification. In Dates Trunsmitted at 19 histories. Bank for

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Spring 1993

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2600 Magazine

2600 Magazine

TROUBLE IN THE WHITE HOUSE

by Charlie Zee

said Robert Calhoun, assistant to well as the Capital. It appears to me tremendous amount of cats coming working fine. There is just a yesterday. The actual equipment is Delano Lewis, president of C&P with the White House phones? No. through, is there semething wrong White House. There's no way to get numbers seem to be busy. And so it's busy. In fact, all the White House to the president directly." their government. They want to speak personally that this is something new. into the White House switchboard as Telephane. "We checked on it been for the past few days at the House phone number 456-1414 is That people want to take an interest in Tuesday, January 26, the White

dedicated central-office-size switching dazens of blocks of office buildings. company's normal central offices in spakesman for C&P. The telephone center, said Michael Dafey, a of, say, Desert Storm. It has its own after Reagan was shot. But hour after handle demands comparable to those House phone system is designed to hour? Day after day? The White the lines would get busy, and the day times during the Watergete stories that seen anything like it. There were some on for days. Old-timers have never Washington usually route traffic for Perhaps. But this has been going

As far as who's answering those many lines, the White House won't say. Alex Nagy, director of telephone services (called at the same number he had during the Bush administration), would not even come

to the phone. His assistant said: "We do not give out any details."

However, one former White House staffer said there are perhaps a half dozen operators usually working at any one time. He said they 'are the top of their profession and career civil

announce his opposition. That brake trustrated trying to get through to the Attorney General-designate Zoe Baird and low efficials throughout town. at the White House according to Joel got back to him instantly. through the clutter. Somehow Clinton ine was going out to the floor to flatly hear from Bill Clinton in five minutes president that he told aides if he didn't Senator Joseph Biden got so get through. At a key moment in the supplicants and power brokers, can't Garreau of the Washington Post, High recent continuation hearings for It's definitely not business as usual

is it easier for the Russians? With the hot line and all? No, said embassy press counsefor Vladimir Derbeney at 347-1347. The White House's direct connection is only to Moscow, not the embassy.

What shout the Iragis? How would they get through to the president? Fire a few rounds at the Kittyhawk? A hunied call to their embassy at 483-7500... No, we have not been having any particular problem with the White House phones, came the answer. That's because we can't call the White House much. Our problem is with the United Nations.

And bypassing the White House switchboard and trying to reach somebody's direct line is no snap. Call

one White House source. listings. They're not complete," said working on hit-or-miss temporary some numbers have changed. "We're people inside the building. Track is phone directory out yet even for office of the chief of staff does not being kept on the backs of envelopes; know. There's no new White House head of that, and the person at the to the staff secretariat. Ask who is the track of how many incoming calls there have been, and you are directed staff. Ask them if anybody is keeping answered by the office of the chief of Source directory, and the call is

On January 26, the recephonic gridical had eloshed over into the Capital Hall lines. The office of Senatur Dan Coates (R-lod.), a vocal opponent of Clinton's proposal to rescind the ban on homosexuats serving in the armed forces, numbers about 1,000 by Tuesday night - about 16 to 1 in favor of the ban, the Associated Press reported. The office of one promisent liberal senator said it received 500 to 700 calls, with a majority in favor of allowing homosexuats in the military, said an aide.

And the main Capital Hill number, 224-3121, has remained busy. Could this all be people wound up in the gay Issue? In fact, no, said one White House official when finally reached. The switchboard is totally swamped, but the calls are running about 50-50," said the source. "Half concern the issue of gays in the military, But the other half is people who are perceiving waffles on campaign pledges. Clinton promised many things. And now people are worsed that things are not going to turn out that way. People are worsed with this administration

then in the past. Even the /mechanized/ comment the has never been like this. Everybody and their brother feels like they can coll in, and right now, they are."

the old number for the press office listed in the Metional Journal's Capital

Then again, some of those calls are like the once made to David Watkins. If anyhody should know what's going on with the phones, he ought to be the one, seeing as how he's assistant to the provident for the office of administration and management. And somebody had him listed at 455-6797.

That, in fact, turns out to be the office of the chief of staff, which could still make sense since that's who he works for, according to the table of organization handed out back in Little Rock. But no. The person who answered the phone at the office of the chief of staff sald she did not have him on any of her lists. Nor did she know where he sat or what his phone number might be. In fact, she had never heard of him.

PEOPLE AROUND THE CLOCK WITH 10288). THE CALL COSTS PRECEDE THE ABOVE NUMBER EASTERN TIME, FOR THOSE OF ALSO LEAVE MIESSAGES FOR ALL GOES TO AT&T YOU CAN THAT OPERATES EVERY NIGHT YOU THAT CAN'T MAKE IT TO 2600 NOW HAS A VOICE BBS 15 CENTS A MINUTE AND IT 2600 WRITERS AND STAFF HAVE AT&T AS YOUR LONG USING AT&T (IF YOU DON'T TOUCH. CALL 0700-751-2600 THE MEETINGS, THIS IS A GREAT WAY TO STAY IN BEGINNING AT 11:00 PM DISTANCE COMPANY

beige box construction

mention what the lineman's handset instructions for making one. Next I will sells for about \$300 many people opt explain how to add these features. has that the generic box lacks and begin this article by repeating the handset is called a beige box. I will to build their own. Such an improvised extension, etc.) are much easier when work (such as installing a new typical tone/pulse switchable model you have a lineman's handset. Since a Many tasks involving phone tine

soldering iron). If the phone has no nose pliers, PVC electrical tape, and a alligator clips (one red and one black pulsaitona switchable, a pair o need a one piece phone, preferably tools (wire cutters, wire strippers, long for the fracitional look), and some To construct a basic beige box you

alligator clip to the red and Expose and strip from the phone. about four test need that too. the black clip to the red wire and Connect the red Cut the wire line cord you will WIFES

simple! In the off-hook state this connections in electrical tape. It's that these should be saldered. Wrop the the green wire. For a good connection handset in the Talk mode. device will behave just like a lineman's

switchbook. In the Monitor mode it Talk/Monitor switch instead of a Lineman's handsels have a

> loud purring). arrives you hear the ringing signal (a with rotary dialing. If an incoming call transpires on the line; an indispensible can monitor everything which beige box; if becomes a line tap. You does not merely go on-hook like our click and dial tone. It will not interfere plok up an extension you will hear the you will hear a background hum. If you testing aid! If no phones are off-hook

in the figure. The green ("tip") is red wire is the "ring" and is labeled "R" Figure 1. Open the phone, Locate the OPDT switch, and some wire. Refer to 1380 will be used in the example), a 1000 ohms (Radio Shack Cat. #273matching transformer; eight ohms to box you will need a .47 microfarad 250 point where the line cord enters. The V capacitor (non electrolytic), an audio To add this feature to your beign

cuitry. Disconthe phone cirlabeled center of one circuitry enond eat mort the points where Points "r" and "t" nect the Ring connect it to the these connect to (lower case) are

green transformer lead (out it off if it is complete. anneys you). The high impedance side the black tead to the tip. Ignore the the transformer's bive lead, Connect leg. Solder the other capacitor lead to be. Connect the capacitor to the other leg to the point where the Hing used to pole of the switch. Bun a line from one

> speaker wires. Disconnect the other the positive one.) Connect the white wire from the transformer to one of the clue as so polanty put the switch on earphone leads. (If the colors give any Now the eight ohm side: Find the

Status.

position on the capacitor's respends to the pole which corto the leg on this transformer lead center of the free and solder it to the speaker wire from Attach the red pole on the switch the main directiny

switch, mount it, and label T and M. room for the transformer. Test the ringer can also be removed to make becomes somewhat pointless. The this modification the switchhook the speaker wire was removed. With be connected to the point from which other pole, i.e. the Monitor position. The remaining switch terminal should

dialing with your shoulder. This will not assume this is to prevent accidentally be discussed. extra switch: KEYPAD: IN/OUT, I cone/pulse switchable type have an Many exciting new handsets of the

cathode of the green is wired to the button to the Ring. Make sure that the the button and the other side of the of the green LED to the cathode of the one red LED, an SPSY momentary the red and connect that to the Tip. cathodo of the green to the abode of red one and to the resistor. Tie the Pushbutton, and a 1k ohm resistor. can be useful. Obtain one green and Concect the free and of the resistor to Refer to Figure 2. Connect the anode handsets have is a polarity test. This One last teature these new

> black alligator dip. When the button is black clip on the negative (-). Note: red one is on the positive (+) and the pressed the green LED will light if the The polarity tost will create an off-hook

Вох: Сольtailed the conday 17 May text file, Geige Man for their traction and minator and 1985, which de-Use dated Fri-The Terminal Thanks go to

get year .47 microfarad capacitor from Note that if your speaker is not eight transformer; check with the outfit you ohm you will have to use a different adding the monitor made was tirst prought to my attention in a text tile by The Phanton (Mic/date unavailable) The type of phone tap I employed in struction reiterated in paragraph two.

them in phone equipment isolating the distributors do. You may also tind wonder why? Other electronics carries .47 microfaçad capacitors. ringer from the line. Lastly, Radio Shack no longer

Allow 4-6 weeks for delivery. White on Black, two-sided Middle Island, NY 11953 \$15 each, 2 for \$26. 2600 T-SHIRTS 2600 T-SHIBTS PO Box 752

DESCRAMBLING CABLE

by Dr. Clayton Phorester

And you thought their regular rates in their cozy little offices to get the cable company has to do is press a (according to California law). All the with it, that goes up to \$1000 And if they think you've tampered cable companies will fine you one that your box displays when goes to a preset station and can't be power button. If you did open the only button that will work is the converter. Once the connection connection is broken and a little box at your house back on line. few keys on their cheap computers around \$25 to reactivate your box you tune to a premium channel that changed. This station is usually the whenever you turn the TV on, it the box will go all screwy, and the breaks, the lette channel display on this the hard way with a Pioneer connector in the front right of the you don't subscribe to. At any rate, box, you would now notice that battery inside remembers. Hearned box. Once the lid is off, the cable boxes have a small metal opening your cable box, den't! Most If you were thinking about

If you did open it, maybe you could tell them that it fell on the floor during an earthquake or something. Or, you could do what I did. I told my cable operator that I was throwing away a TV, and was going to return my cable box. Well, I returned the box (after I closed it back up, of course) and about a month later I told any cable company that I got a new TV. I went

to the cable office and picked up a new box. Result: I got a perfectly good box, while some dumb Wilson got the old tampered- with one! And, of course, the Wilson won't know what the heli's going on when his box doesn't work, so he'll call the cable company and complain. The cable company larrogant as they all are) will naturally assume that this person was trying to tamper with it, and they aren't gonna believe anything this guy is gonna believe anything this guy is just my sick sense of humor.

The point is: don't open the down box! Inside there are a hundred little dials, screws, and thingamababers, but messing with them won't do you a hell of a lot of good if the box won't respond to any commands in the first place!

want to receive premium channels So if you have one or not, don't than Channel 13, and TV's that you for old TV's that don't go any higher descrambler works just fine. On my assumes that you will be using a systems because every one is cable system, boxes are an option don't have one, box is a requirement, because cable box. I don't think that having a kind of way. In Step 6, the author won't work with a handful of cable anyway. I'm almost certain that it incompetence?) but it's worth a shot appears to have been uploaded in different in its own little perverse to make a cable descrambler, it 1988 (how's that for sysop local BBS the following instructions I just recently downloaded from a and

sweat it.

Enough talk! Whip out your wallet, your car keys, your soldaring iron, and kick some cable company hur!

How To Build a Pay TV Descrambler

Author Unknown

Materials Required
1 Radio Shock mini-box (RS #270

1 1/4 watt resistor, 2.2k-7.4k ohm (AS #271-1325)

1 75pf-100pf variable capacitor (hard to find)
2 f61a chassis-type coaxial

2 F61a chassis-type coaxial connectors (RS #278-212)

12" No. 12 solid copper wire 12" RG59 opaxial cable

Instructions

1. Bare a length of No. 12 gauge solid copper wire and twist around a 3/8 inch hail or rod to form a coil of nine furns. Elongate coil to a length of 1.1/2 inches and form right angle bands on each end.

2. Solder the variable capacitor to the coil, it doesn't matter where you solder it; it still does the same job. The hest place for it is in the canter with the adjustment screw facing upward. Note: When it comes time to place coil in hox, the coil must be grounded. This can be done by crary-gluing a piece of rubber to the bottom of the box and securing the coil to it.

3. Tap coil at points 2 1/2 turns from ends of coil and solder to coaxial chassis connectors, bringing tap leads through holes in chassis tox. Use as little wire as possible.

 Solder resistor to center of coil and ground other end of resistor to chassis box, using solder fug and small screw.

5. Drift a 1/2 inch diameter hale in mini-box cover to permit adjustment of the variable capacitor from the outside.

6. Place dovice in line with existing cable on either side of the converter box and connect to a television set with the piece of RG59 coexiel cable. Set television to HBO channel.

7. Using a plastic screwdriver (or anything else non-metallic), adjust the variable capacitor until picture tunes in. Sit back, relax, and enjoy!

Overseas callers can call our touch tones to track down the Remember, all writers get free preface that with 10288. Use writer, call 0700-751-2600. I subscriptions as well as free SEND YOUR ARTICLES TO we'll forward the message. MIDDLE ISLAND, NY 11953 office (516) 751-2600 and system. To contact a 2600 accounts on our voice mai INTERNET: 2600@well.st.ca.us writer you're looking for. you're not using AT&T. WRITE FOR 26001 FAX: (516) 751-2608 SUBMISSIONS 2600 ARTICLE PO BOX 99

oday They can no longer run and hide. the court room. Today the Fada themselves are on trial; see it written in the eyes of each 55 agent serveneding Paral of a main of Frenks, "Computer Frenks." You and because rodgy of all days, the leds must take the stand commonant. This a task perfented with apprehension poisol for a fell, as improbable as it may some is the to demand ID and lecture about "eeapons in a Federal Marchall group pulls are out of a precise cross slews to Judge Sparks' commons. I have to think any stun at the X-ray disk - politicly, floor then some big descends on the "birthplace of cyberpunk" as I risk Texas. A rure frost tays on the ground and chill aut three strenger days of Pederal District Coun to Aparts DATELINE: January 36, 1993 - the beginning of

field for her bems edited. Joe Abantachy of the underwriter for the planticity legal fact it works the of the Electronic Frontier Foundation - major the section ways of excepting and BBS's. Shari Stock tick his from - Goyege, Tennideen, and Freed - about a backy break by educating the local perspaper's high-SBS in Arean called "Bamboo Gardens", and probled fail case: he's loan a syoup for years, man a popular burness of the walls in an hipation. This is Fel's first recast (IT/Austin (see School grad and a good friend for-endy... Ed Cavazos, vice president of Effi-Austri third trip to camp. Outside the garties in our race pace bank besit and Sparks projected to some that guy on his on a guy who'd sent on 11-year-old in to excelled a decket, A jury deliberates its eventral "gurky" confid underground lesses on a regular back - presses flesh in first major newspaper collectaint to cover computer House and Carry Key - probably the first we must want for Judge Sparks to short the



among glaintiff groupies which even molodes his acrossify, challing, trying to maintain a good hartfor an attempt to uncover dist. Steve Jackson stands

actionment proceeding which dies when the 88 claims Games' legal for Wall, so il spo, pt? they "lack arough budget" to cover Steve Jackson from both sides Suddle and hoggle in a last tribute the countriese shadows, avoiding all content Lawyers som. A vague array of Fed species and lawyers crossed

down at the next table offer they order. They get up in disgust and move to the back of the resourcest. SS agens, ralk about restaurates, so I call them and six Sparks delays the trial used after brock if everhear

Holey and Burbard Golden famed 0.T Auxio "anaputer page" - and 55 agents Tite Government defense introduces Larry Contorie developes of WWW belletin board societare the lawspir as plausicits - along with Wayne Beld and sees of the secred lifeminest bibliowhold Joined in Eleabeth McCoy, and Walter Midden - SIG voters the helps, impoduces witnesses: Stoffen O'Saldivan, it at in defen..." Reiniff, with begye Pete Kanady at "The Copy cally the rate of SIG of all versus SS

instruction on Teampiter enters". One of the sympto-Pármit Projett - a "vojetřač locket BBS" spended captains BITNET to the judge, that mentions the pnor to the decision to read \$16. Poley talks boldly of Painage #24 and the Crafty Neiderf case, plappely Service - a good sto key to say other life. Estap was illeavison." When asked about the ellegedly rame of his aftreaves on Capelle, he didn't have any into the raid. However, under each Follow admin that it the worked for SIG and Chaptin lies the only growth for by the 63 in 1990 to contain secret acces for and "Enic Bloodexe" (aka Chins Goggeths), and thought in Austin by "The Messoo" (aka Leyd Bhollership) "Social Engineering" there in rold 89, only months SS Computes Fraud School: tells line he belened about afreed his competition expection, begge of being top day at for the S5 raid on S10. Febry symbles defensively Stephen Christie early in 1990 lead to a search warrant Exestigation and his secon affidave to Fed Magistrate the SS agent assigned to the "E911 Document" grad, trial layer for 2+ mars, lately of the US Source cross-examination Loyola University 34 Law School Foley six else "I did not read through the game" threatening SJG project called CGRAS Cysterpanic rais grim pionese lares) had neves legged ione Most that "lebourn expert Rank Killeg/Sil (who enter-Alberthani RRK and SIG: Managers, Folloy conference for showing the E911 document ever even teached the Timothy Muchaet Foley takes the stead under

show that the SS End get made a full discharge to from on never assume the Government is attending. Magazana Copolle before obtaining a search warrant Not particly incriminating on far, has enough to

he spends most of his off hours parking DOS games to assistant US Attorney, Battern Joseph computing, in fact Top walks Murk Butter, a talk, slim, bugish-skiness?

> wirmer of equipment from publishers. 58 didn't tende about Follows species which lends rates Follow off the back by basing has reach that the sking that the color specific behalfs are during break). Remon the Marketon of Lyet a Max is college and tive been

during the next before you schedules and Julieury Grounds wendersty from SIG Sand 1,390 Olive usitedary respending princing several amorphs by various leavens.) the video reacty (Spacks jokes, "Let the record show that on two coeffi-Cames Inc. - the recovered publisher of inhaplifying Storling will show a eagy of the tape as a bacadrop ranger has in the eyectoris ascreegeomatic Base ignorance doesn't get such more blacam than this, and works in aghast, shouling "We are a published." should be a first ago to poose such and such successfully operate the VCK although their were impered as inviseous. After several abstracy alterages videology of the raid - recorded by the SS - to be game books - wase't a published Plantaid calls for a roles for poblishers" but constant that Steen Japones estabulary," efailmed des feliclais know alboys segrety ander toath that she "didn't know much about SPG rold and compage equipment securicy admits Clips of "Res" and "Wolf Applied" - with purchase the corporated in a five thalf. She are waren in fifth, nor one limid, indiguant, Serful, like a third grade seather from the Osiough arrainates the resolutional factor factor the Feds. But wort, another 55 agent - Barbert Golden sticker. Lodics and gentlemen, this marks a blow for Charles a lawyer's car speeds a citty RFF bumper the asset the setting of the feet. Support the in that the the other side? from SIG, but in depositions be \$10 rold. Note that Officer Contents to websatally "you Courante else as the document was priested after the affiliated with UT Australiate in the educated databases. alleged shooping, views Elunisenskip was never Contained a the amount. However, if opposite decrees the Efermation Taiwar Loyd Blankership and cood one of Compare Courons had previded HIT Survivo Seat. The SE result wasted against SJO objects that but takely seems to be working the component trime Coularie has been with the UT Abotto police for you're Next we get Orlinor Littly Coultain on the stand

the Feds and Character leared replacing it. "We haid distributions judget you can are bosses of new product each Company to have been a literary survey. "That leads 800, her he didn't even inthe edge it was seized by month." Jackson goes on in energibe the Prisoners guide that through he executed fastimany: the nature the albemaker and the next meaning. Street's lawyers Slove, who attended law school before becoming a was set to our company's functional well being . Networking on the select GUSPS literary genre in sweets such as 1984-026 System for out playing singles of "Observation as a of role phyling games (RPG) ... coerces of his CORPS essence of this game and it shows. Over the governois graphing inclusing energy-enguism 1980, rander-stands the Served Corp. Jackson jurges into the has wait next.

> Service laid jeu come wich a subpoeda we would have we lose out eight people and of 18 ... If the Second set ally early to stay in interiors warrout drawn care, so rand frame my employees being asset... We wouldn't point bear team backeter captains what appears to be hard to find our furry the 1935 was selected ... The one his main current on against the government. "After the



showed or explicit every tills in the training secretors

 Force Agent Falley Stand doors - sital business assorts and publication appealing account of trying to obtain expire of his shallowhich were beid for months with an explanation Steve classes the few day's sea imong with an

Committee and Manager Carponal. realize you're undividies information on how to Althorizations in GLRTS Cylenguis). The year

Falleys "No, this received" Contract This are going.

Day Two

Consumment claiming they before his business by is financial couble before the raid but recovered to Assing equipment!" professibly afterward, Indge Sparks interrupted Jackson in a cowardly assessed to imply that SIG was Busined was with by the Sound Stephen's to the Defects counted Mark Batter recoverate into

oction. Defende tilles to più the seare on Meret. hoe. SNI capitalouse on publishly surrounding the SN lose the SIG game Bindon resulted from the raid, may our Banke. " - that he actor spla a good disk abour (Since courses with a conceptual right book." No.

Banca: "Why and you with Jan Hackers"

Mary 1 6th a Albert Juntane "I have many I was a writer, rely is not

contains a branifoly musty person). From from 580 ostensibly investigated by the SS. The message steer steers that was on the seizes BBS and damaged by the raid and gravious served a private Elizabeth testifies that her project "was seriously mederates on part of the secret disputation 2005. interactive liction wroter for all 6, she'd been a board Effectively Matthy taken the stand next. As an

for PBN, the firm week agented between understands unterligants well, he's a comparer scientist count on 1/0 seeded 885 for \$10 work. Wellen Milities rates the stand and also describes the use of Walter William - whom she since has married writer Self to () Softway about another waiter to 500.

who analyzed the seized equipment, Boothly claims to face 55 computer seasing specialist Larry Boothby Button trick to recurse the reading a swear deposition Government lases a few cool points here, but



Ming Move in there." computer cape from "Year might as well have had eigenization... As a spott, his deposition and author. unlarenable remarks about Agent Edey's ofleged Some rises, alcothly may have reach a fact for the satisfied at to the earn fand good bette rented." said be had assigned from the SS just to the case was the world "back" and it would show on the screen with which fluoren explains to thege sparks. He'd type in screeniding can " Note that Bookhey weep's population have used Norwal Hillshey to cooking word workings.

20, 1900." Wayon testifies that he deployed the PC's meanth which uses had provided. "Off by about 5 ay seem clock and weighted file time struggs with phone (in advantage) and the SS and recursor in the software for BBS - which invasional more - Wayne's minutes of note appeared that will the most back been deferted by March million. Wayne had been called in to review the wats on on ever 2000 greens, for an authority of J expect witness for SJC. As anthor of the WWIV New on the dance and. Whyse Hell steps up as an

with rechnical across. Se STC needs to conhectific as produce a classical defense team by someting the Jedge statutes and one-distinguish leve, but the Government is sur the US Government for decaying based of Salami single and charges as possible. He obtains over ignorance of computing sechnology. defined at several points in burn that into your memory. which plays well into global Tx Pand. SXI is trying to Judge Sparks aske to have the term "apage"

Next up to the stand comes theory Michael

Anomora Chicago - William Cook. to Selfseath, then forwarding the like to the US related to EVIII, above by witing at powerling at each devia about exploring Panese of Pathod, sixon finding a fill stat his own remain. So Khopfel condition.... He talks technical terms, and shows the poet that Athepart joe not cuite what was in the Ballyuan document." A dge Sparks becomes visitely last on Kleepful's ora of information is available to the public sugway - "Out question with the E901 document divisit provide any RSTILL etc., but admits that (1) the Plaget Issue is Show "Is the intexturent is begind uses to just by the steps for how to break these compations and city the incressed. He whitees at length about Penach, Johns by regulary into suspected BBS upder the bandle he'd have tavestigating the E915 sheatment's spread with your aid offer. If provide information releved to between Woody Allen and Adolf Histor - white hation from Sections, looking surprisingly the nation Kludgebit, of back conspanys change expect and and "ROYDOX" and looking for files about everyone plane in life, the given on a describe how at 1989-30

1988 Sood doc book 505 Soon WALF & County 1 Chance or born than about Mewbar value consystep of halfs that there was easibling eventoring Steve Jockson goes on se admit the fault flow. If and and cell Newton Countries #85 businesses Pharma Project ** Kinegel wouldn't auswer. Could Sleve Jackson Comes' Where Phonesis Prograd BBS might reside sense is down. Khiepfel captains that "Newlin was workbeing

speech has the Constructed the act. So they did, network enemity" - so essentially his word was good Klaspfel counters with his own reputation. If was Rectal [side should be REQUE] for information? used as roots for supposer crime." Sparks then awasa as an expect with M years in complete sects by 466 and udaign "Karmid and Killedom, which can be expert - so help exhaust the judge. X haplify resulted tais peant the defense takes up questicaing and for the Generalization so take this issue to prophec Etematics were open: "Would it have been possible speculation above the next for a raid, whether other about laving found reidence on the Sharair Engage passings Kluspfel - Se US disversament's computer Again, the judget is snowed in technologials and pr

uselfacult magainst types a fown where I used to live - Red Blank, NJ, New a 500 respective territors at Gall Laborhors he works at a under each to a Tederal judge and erects or least recoverable response the a person who also jest lied guy maily, a bit derivant and defended, publishing a the state of Disguest. We close a big rock of our tion down, statisms his land just no experience a pass pany forms. Disting would named I go cookide in truck Here. this gay is parts wheatheaness distilled into a

Finally these of or in the SNJ points pathody recognise

Social voj 2 duise.

Early in 1990, the Phoposit Protest AAS Was

Within Cook - sho quiencher soddedly after the SIQ the reached notional prox - elimination are point soul Now the Economic Segun Donner HS Adirectly

> perfectional systems were not upon up in the governor of along with solution for proportioning the typing to that \$20,000 was for the public end an Stroplet's world gramination about his \$73,000 figure for the worth of high a second to within Cook newponds to cases ovaid previounges a conser planniff counsel on proper contactor except for the adject Cook even interrupts With period of philips and on the property of the property of the property of the period of the peri will be employed to be a production of the section of pocessing software prolonge, several more thousand the "states" 1991 gissament. With said be geterious proposition This gray got humans by the SS reinford now i gerja (berkenist hke arkiese between Watter Maitian judigrant and condessabling to conjugate in the Testimenty " Ad if it were possible that I Chair single On stilled as rea so ear, seeds, unest digital and Dana Chang's sensitive of Groups Rosh who this installs or since he discladed to its ship up

contained angularity but dishift advice the 5% against soleting a BBS that Art CCPA which MAY text interception of entails S00 raid, and 12; that he enderstand the religion about the Privacy Privaction Act (PPA), which limits without the in the Electronic Communications Privates didn't advise the AS about us implications prior to the government wienered tapagement fact publishered by "Size on the point, Cook adjects it to be to know

King that is mindown hatiewed to have been allegably copied - browner be colled "DE ZIP" and sense emperited software identified and detected - on alleged processed granter Check emplained that after the seconds, good fires were sneght and reprinted a water wareget, against SUG Acident about Plance, and LMTE "As a result agents Beaponed Team (CERT) which "visited" finely fails on specify visual computer both the delease waits. Cash that they is 19317's Computer Emergracy

Joseph Blankarship a older Coggosoff in engoing investigation about primingle agages So enter out the rest of several sever attempt to determine the nature of MC's fusing a gainst odmission that the 158 Attaches is office mode no for a full intervening have starting frame (ii) Charles Industrials in a product which make

Spirals distract sector happy and called a day... Usep a seven year and interest and the person discount provided failures success cost oscillates, sevenue experied withings and expenses for highway. She to a communications interface for the firm, by offer of not being releasant deliged department lossed are 6.08 easen to corony about the damages becomed by the exception armost at a bill fall on both for damages. rollies (a Leatere) gively by the the Government), the projections, etc., but the Ledge overst arranged, Overs good rollent impact on Steve Jerkove's own time for The assessment with several key tesses garding books mid and confesses of equipment records. Statistical New in land, MG's notountant subjects to provide

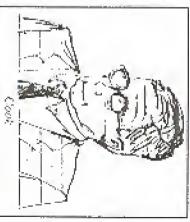
They There

Cone. Doe'd you think Compress should death how for water find some and it executed by his ability (as sysop) to defere rifes? I have proceeded to the time the search out and were to any way to this care is so what that Blackambip the 10.2% should extend? I due? think ECPA applies ken to de blac investigation) as it should have been desired enginesy. Some wealth the croken an hour or bruey channel activity. You see a BBS with a notice Ultrakenick o could have prepared to engage to some Speciment's case ... It appears that Loyd that I'd have to sewrite that statute to agree with the In response Species growers arrayed in approve to me helps Spurks and to risk expending the CCPS suggescompanie have the case throughout of court, urging proceedings. Government defense steps up and delicate delay exceed by madelical legal

them our begans the trajectors. It wenting will justice, out of high school for it what a first Mordfall heavy pert of the brial is several stadents even namego to get RFF-Austin asymbors drop by 19 weigh the last

est dente interini pring pay utter BISS et SCC on i knase of the Physics Proport (III) appearing at 910, oc the search varianc's arbdusk about a threat to individual a finite derived accurate of veloa LOD was change." Bark a "pelotific live Sittle one grings", "It appeared to the state viness, it's describes his impression of the obehacized extra fig. 150 of suppressions on the Process of Society Section tates are received to the selects their was realising to Fill-BPS ("Jergrand or building Government's cose about 35 Agent I'm hales bogs back up as defecte

that game to Min Graphy a. We want there and while to 500 with 1906 had a proofed that the LSTH declareds Clarkership's leaner place of york - No Gagalisa in see the machine but it transhed so we didn't pursue any And in TS - two also been "exped" on the more of the Policy launches into an account of how



Sondwhitted decompact by SS agent John Locente at Goggest back admitty out a SK tags, indicast which is plans that a purposed NSN document thank Euroben." Folog sactifes a plaémáif a cabibá - s

Spring 1993

of an original about making defense counsel from pare... Judge Specks both question Lough in a legal equivalent At this point plaintff counsel Bere Kernedy and

wall all adjust Triber "It work were week on the machine to

RECEIPED STREET Mountain that the equipment water's returned for

Straight They's Polyt "Persia"

Endage "The hard to make reports."

Jackson Galacte. disks and have received the reprigment to finite States of America is all have faither analysing the Specifier "that pleasing after one week, the Control

1000 June 1

to incriminate \$90 bosons of other the setting. Sparks Following and its say there was device any evidence

op ipment after March 35, 1990 at the latest peason not to retain capies of disciplining for and been idented on the Service To proves again, singles-The Depoly is that Folias additive there was as population facking Games to and rejurned to Store Hode width seven days TRANSPORTER 1990 strike latest Su Fidey T. 2

cold, and yet held only become extre of Soft on District 20, 1990 you one week poor.

Chande albert

he asks both sides so interpret the BPA surface regards to GARRS Psychoposek fein) accounted, when dungarous orivereseptions "filew do I knew goe altegal were the damages established by the coldinate?" Then polarials (DE-ZIP) ... But its 's assume a spotspon with startified materials (CS11 doctations) and even edegal dracts? We know that the computers contained classical was not in the 17082S Psychopanal [sie] In clusing remarks, Judge Sparks reveals a

BBS and stellay of OFRES Cylerquick release, which and eight people their jobs and reduced SAF's ortained south SIG at the worst possible time financially and Painted specifies the charages to include: best of

las hast busided move eval. less time writing and more on business may have been was released, but jugited better management procedures: there were in down sized version losed on teld diplica the raid "only delayed follows: Cylergrand by less than after the science which forced Stove fortison to spend Defense dismisses the domages by chaming than

offered which this "goil cocsping," obviously is now helping becomesses by search and selding. The jumped to a complexion.... Admirledly without boards cooners this inject "So the Secret Service.

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One Angry Judge

TALLENGERA DOOR TATAL BY'S

by Scott Skinner

STORY, STATE STORY Jolia, from Old Energh, from SM. Spoligh, from Ledge an absurd or princips outcome. [Middle English sense, understanding, end foresignt, resulting in an individual or individuals lacking in common foley (late) in a costly legal undertaking by

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was not without its moments. prigrimage orded a wook shart at the gavel, it techno-anarchisis, and atthough our own trouble? Trief's a triat right? Wrong, For hookers, Massa all relied into one III was Woodsook for inan e religious event; Bone, Jerusalem, and the Steve Cacked's Garnes that was nothing loss And just why did we go through all the

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LETTERS OF MERIT

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core for formal manting an wage 4. Add to plooting being magnetic disappractive the aforestive fits where med in room times - operators and the hilling Affices All the redictor tight you could possibly worm сокругсу вода систей учас в тёсь сае ба аказпуск al sold. For hove to find suspende in the phone the ATAT Common Agreements Conser of 300-452. È infloresation. As for finding residence, if requires a bit Fire a free guide, and for the notatingue of technical 6600 or Britains of 800-202 J227 or 968-689-5805 without that all 100, 800, and 900 namings are unique The Life Rich will be the Date of the Control of Section of Section 1. You can you place in egus a celated extensive from

Dear 3660:

Plintaks Are Caught? What four contained the edicle "thow fittens

chances of golling usught? purphones by my house in this wise? What are the when I'm on the road. I've need it on a couple of Also, I built a red box and use it on fortnesses

Finally, does unyone moditer what goes in and use

Freshed-out Payadoz

cucins into the office at the our con appropria of browing. But out do topes that spricing and sulvedy As fee people meadining our states, we have so may most loved or some point and if you happen to be a grand has been politically tricke and a statistic father from the suggest in the anighter feach it shall get signification applicat it a pesse or abased canage, it out be And removed the work the perfect was and the more begin persons of the past were rangel problemly because inco you keep to ap, you may be writing the sequel. Blue That arrests was to the Spring 1990 insue. But &

Tear 3600:

is useful to the when I wish so done but any somewhat to your own photo. I had used this extent travely uses depositive Casto A-Pisase university anothers. elbert refutants operator to do the sense. This capability your owe phone to ring without excing at ask the an hyping that you have the "securi" way of getting been discontinued. Since I cardinateable this as posper. I book who advised the that this phase capability has conducted a New York Telephone healtie a few weeks ego and learned statistic netter to shonged agraduly. York City that one and didt. hang up, one gor so may There asset to be a force digit number in New

Also, prohaps you can tell me where I might

help but mile is tupped out. the piece existently cakes up Topping it ob a table can cognitions and makes exceed by pressure about. The paralises the removable carbon side as enhances that pheno examples will not sell our sear (The surface it) also no se falk, est al la bassa, in reposition

jeknim ovanje a com je a cinia obje acinia g Inter one one place where you are fact adoptioner and annulations, so so where No photos are found Yard The street with thing bears, the first conting a way freel, flock ours in your service than him that the Total and of deviate a managed of the section is deviated for the hard the east your private plants and the alternation getting a better allerger, for final the benedicted phone nambre words in each of the hore. After capitary. While consorted to sceneriday for finally soll The profit will plus the host four during of your Now York

developed or are thoroughy such plans in Survivalls? through Cotter ID. Has only such pointed been send a false number to the party you are calling request the development of a current or Taddren' beauto In the Winter 1990 issue (page 28) there was a

Shoreham, NY

there the readers are share temperated in doing also the figure faces are placed but we have get to pre-

Desc 16301 Tyles guitar in a ske band in New York (My and

coming. made me base to ask. If love 2000 incommon, keep if acother cover with reference to a Bob Marley soop wasn't the original. No way, but I had to ask. And power knew of idea, but I just hed to make sure it lark doubt that the Six Lord Coasis who passed the ower's while back draws by a "Sir Lord Comic", who known a list about the origins of the market I needed a was a sea scinner to factorize back in part 160s. I have

We date to the agérence re a sha way of this and with a appropriation person you were area, Lawiese Street van weather the property of the state of th the agent of the artist who and the court that thought to You're any advertised. Six fixed Comic was not Recording

Fixing Your Credit

why the "police" wouldn't halp people. He has to write on the PTC, And yes, Metherals did victors the law high application, then they are in the big disadoo - once this matter problems having his eigenstate on an it can be enough! If AMEX pass Moores a cool is the problem. If all they do in write a letter on his behalf time the may also write his Senate and Reps about jurisdiction of the Diddest Trade Commission, That's edimental of the his Credit Actionnes under the Just picked up the Winter 92-91 issue. The

> extract comber will not be there but you will find a faso pour architequest. PRK, New you have the address. Oct into a self-clean number class which is the shot of the block for their Color (re-aux coscop) for the address. Verally the paid in the half will six(a immersely. Get their phone general visit to the credit office of whoever in the (an your own tychald). Sometimes though, to I will, or away 15 percent of persons delegatory information peopletuse eigen 95+ penera of incorrect (and largeing Be from the police. Stick up for yourself. This enconvenied visit. Doe't take "sifts is in a meaning" sp, not your fluid (fair) No, but it workst) there fem an sembles and cell (to yield) a letterty near there. Look in don't need one. You can after all the a suit PRO-SE congressment of lawyer is the workers. Most often you den's remove the descap waite the TTV and changed but never paid foc). If they eas I and they that to produce the evidence (the credit of person you, call, these or write these one last rine and ask problem with a creditor validating a togus decog above problems are solved at des poète. If you said bave o investigate and get back to you in 6-8 weeks. Most requested) and point and the coor Tage via tenter tarways certified with centre recespo big three (#KWACHS)bqccfab or contact them you self look them. Next either have the coditor restauction more and will completely disorgered any negotives dealer emongage compones know that Sears is the Sensy, it may take a personal visit by many on no nine and they are too). If the bad stuff is from the expect. Many times they rate be disablewed (if you products: for a laik to the person who put the suift on again FPC's judisdiction. For anyone clee having cordit

(England)

Surprising Facts

Draw 2000:

All & Tisage timed of aims made to it despect about 68 compared to an average loss of \$55,000 in 1991 regioned from claims by its business customers dived on ripping off phone wholes from explorations. Sprint DESCRIPTION OF past years. The major reason for the drop; such than the ST faillifes of SS failling a year distract to losses at distinct froming words, 1991 brokes were a fee one hour proyect, and 500 bayes it has about soon a drop in 96 persont, to \$676,0681 or \$1,180 per recident that 1992 was a but year for the phase bookies intent comparted The major adoron carriers an expension Rave you seek these numbers from the phose

Spanish Connection Weath this the named of his host continued to

Days 2600;

and send articles and percent information from Spain there are very many people in anested as hacking at I would like to collaborate with 2000 Magazine.

Spein and Latin Apprille.

Here is write indirecting satisfaction.

8931 (APCO), 310-815-3735, 310-815-9857 2590 (NCHS - SEARCH), 818408 4442, 514-844 236-1609, 415-544-6806, 408-261-8309, 975-392-1997-649-2015, 301-147-2787 (Arvon 1986), 201-778-DAIMP), 719-591-7415 (FIRENET), 303-687-7368. Original Justice Bulletia Board Services 5/12-

My backer gange is IBERRIACKES.

Morra Granada, Spain.

BBS Info

newsletter to beep me informed on Bib's comings and Desar 2000: goings, which are hot and which are not six. I was wendering if there is some seri of SRS

Concord, NO

2013 502-6036. If we been of rebook we if you have show as 1910-913 collection there make the trial should Boundateck in probably the first. For see result

Evil Payphones

a message, but it in case old not disconnect meand discountered our and would not even let use leave on and wild associating that, "Your called party data through that sounded as if they had just assemble the hear pile little chok a few weeds after the call west a total cultion one of them, using a quarter, and headed redienator thank) hardson spread appearing I placed age, when a new legion of C&P phases with gray go like COCOU's, I first noticed it about vis months my best C&P Bell payationes. They have started to phase looked casedy like a standard C&P paythone. exactly like a COCOT, built possible C&P is laying up (gern" I was very individed at Stort becomes I thought in not been in be a towering. Then is hang up and up again grades to period ead this was reach Odd. I thought enceptagenedy gray. As you can probably gime, red except that the familiar black handed was COCOT's and convening them to C&P phase? The Neventheless, this genuine T&P Bell phase acted Them, after terest rings, this computerized voice range imposoble as it is off of a COOOT boding off of these new phones is as difficult or Ligary motion on oncoring and departing usual is:

gright stake are sense. This positivator places and have psychologic She thought it might have been whited to woman's infect to later posting sleet any new CAP place of the sound plate that says "Out of Change?" Send A Call feature, which I hade't beard of before, in a place below the instructional plate describing the yang been basing a fot of problems with. Bet that their new Seed A-Call feature, which they apparently I railed C&F to ask them about this, but the

> company places. The best example of the in ATAY few independ if his role is possiblead at these within remove they I the goal off to have its latter than a land like "opp" were in a "I find that they're much by handing payphones, particularly the party shall be to markets people and to our weeks his has purpleness Maching is improvible when it could be placed

Acress to 2600

thursting drough the pages of 3th each 2000, The discovered the best in class I below. belief by those yours at PC Block and psycholical after At 25 the Rand a niche. After being confused beyond

and a way consisted follows of Change Months. I were a KNO on a bolometh the way prised. The Haden Queredy's moding. At the suk of elephone "tricks" with the use of rate. I set above that eight and another believe what I was with place is out and I have so place to such for it. At 22's sage, Located it is the Autority issue. No doubt by now the My painty then got watch of my body, and I investigated page with the recolumn of what knowed like the members 2000 Retrient a winardy misplaneri Reductioner sheet Guestree suffered was over." I'm now thicking at substitute fijest When I got to the rounder, the clock kild me that the slows furers. Reque the engry condition. I gold the four burks. bucks, when cover prior is \$50. igue one question. How come a une petrothe righten trota 21 decrease modifica much the think prompaid. "Soft this is used readd soo corying 2000 with the pest least Lasting 4 dip I was at a book cost, locking foreign gaming mage.

in. Seng an extrane lagaries, I have little at no knew hilps should make a "guidebark" smillstie oor tir price of a book of these "bosse" that exercises around to be ordinary in You pleade) don't go into this tray Kimb gage. This begin should explain what all control readers we accumind to know, we that we incre resides and notices Read Neber's aris is an genuity sometimedly spaced me

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Radio Shock Technic So you're into shorts, buh? Mer Well No. months

Radio Shark Tookie: Well, why re you getting this? Radio Shack Salespersed: For whoth You did! West for chinese a Constitute procession

gapy staff with this thing if you know how to use it. Mat () Radio Shark Techle: Well you could do some prefix Sa Mar, I don't know why. Med (go to hell) No. my thead wanted me to pick it up

> Redio Shack Salesperson: Well, but ya politike Change you'll kein replify membership to sake all inflations

Ar English, VA log wood

safe that was in affect that day. it was now of his haviness, he would forget about the questions? I was affaid that if I userinded the each fleet

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The Apple II Evangelist Pakes Verdes, 414

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Rolling Stone Corrections

STREET STREET September 19, 2001 article "Samural Rusides" and get an stopped over and picked up a capy of the Solling Same Kerti's miss letter on the basker's neeting life (page 28). If Routing the Automa 1992 (each mad through Clark

She has well an Score without (goods februarily oder, it means at all as what If you'll read the 2002 arrow (where 1990) which de-

Changes Consults.

21年以此代前以上以及以外的日本

hackes like the same of old often work writer the applica-Bahali, who I have a capsing this even as I write), to prior them and it was his approximation in the only develop do so of additional originates powerful lands and golgoni figures. the fact this results point of the paids - a reference of term - hand my long, the most fixture on more of John 3) band did a vibite any hadron - rather, he was one of

learings. Although ample allegations of exemption and λεβάρζες αμίζη. makes nearly \$5,000 over what he previously made as a poweremental abuse were uncovered, both gardies Disputy Regions of Deeds for the County of Comdet. He now simulationally exceed the other. Liestlines works as the 4) Land was seen exercisted after the legislative

the entire management at the first place. Made on the member That additional types being descriped. If was, you we, the observing has been made of these people being desiryed. distributions which appeared in the master open which lead July 256, 1991, intervial page A-13 on the matter of the S) And for the choing act, mad the Astony Prob Prop.

Substitute media oguse hedena jaki dua - degate. I find Aside forth great exhibits being assembly an olbul-

Bring Standarders and vettom visit a they're dare

manufacture of the control of the co

medicity (I suggest that the fidwards got her information Dialogue naver compact ps to the properties of date for to the longposition that the model must standard to the farmer extenses as to what a sensity going of the last with Mr. Contains than how one theory auction of the received again regionality Word is put call their total to consider and judge accombigity and that we had better soon attaking state that all aspects of The exhally, reformion from a circus curves) in the inclusions

Kop by Gitt, July What good is knowledge if it's wrong?

Special Phone question, se outmonts yet

The could'engage above that to the on the property

I Ell L'hodelle!

Dear 2000.

on it in addition to the U.S. "Land In Keys! Different meter den mything gebiene colle via on zudo polich amazeumodie hus them on pullfun Loan only assistem when I Where can libery a phone that has the A. B. C. and Disers

Temps, AZ

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Seeking Virus BBS's

new ban things so my. to pake around a few internet sites and have a look. the late about backing suppliere, but I have been known I'll even have the gety to death up scleptions policy and law year's back leages, and I love them I don't bags if Your publication has already given me adeas on some I just received my first copy of your magazine and

my periodoxic would be sporadio. In tay to set things up moself but a travel quite a bit and would be interested in having 2600 maplings? I'd offer 2) Are there people in the Rochester. NY area that party virus source. But I if he damated if I can find onte. on viruses therepholoring about the "ne-ful BBS's" that BBS's that are out those? Every time I read as society readers know how I could get into any of the virus Tid like so know one change. I) Do yet or yets

Shock red beward to my 868ing we free partiest I'll have a good reason to build the Batio Maybe if I find some European virus ISBS

(Your Friendly Neighborhood Hacker)

You just coa't get wore entitless that uning a red box to context to a European titres 80% east if you exceeded by jour passe, you will establish by a sight o factor with a report doctor to a payorized to but they're him, of frame, about gitting their numbers mondants. These are 1885, I thin the country in manages the destroy meetings but somethed) that to have the There probably are people in your and inversed

Cellular Magic

(caedinact from page 11)

movings and, does will be some overlapping between to show how the system is hid out. With a circular sound However, the hexagon shape had world become table ageals, the arrest religiously is more or less is possible to dear many, most, or all of the activity being aide to receive more cells. Due to the moone or live to a boundary, the greater the chances of your out. The cell matematter is in the middle of the cell, In hadequeets diagram, you earn on how they are told three to five unites, if you take a look as the be without animals. These base sizes have a range of your dig. depending on your leastion. The closer you "houd" on rop, and sponting a couple of what opport to sees are towers (assettly than with a triangle shoped be easier that the oldering the mobiles. The call have Manifoling of the bear size is obviously going to

to bear at seven cells. Which one of each cell you bear capture only the introduct vigoral, you should be able the nature of the FM transactions of the cell sites (the) likely less the Facilitis the upper eight, rather than the reseived signal. In the above diagram, you'll must will defend on your location and the strength of the able to hear them white broker godge. Hawever, due to province to age of a cell as stree to five differ you'll be C. E. and A cells you're need. Since the maximum above diagram, you will be able to raisely have the G. III, for example, you five note the seconds (**) in the

the cell site unknown is in that then, you can check the change of highway 🔝 and JRT and you know where the ankness that every with the sounce, mabble range mobile frequencies? It is useful, beserver, for frequency listing above and determine what cell that improved if you hear soldense say, "I'm at the mobile is in. This is also exaltal on the call site (\$25.69) \$10.900 MHut, one can belt what self the will be determed down to one or two miles. By describing which channel cell you're in. If you use checking the souther market against the cell list above sides of the conversation if you listed only to the the self frequencies. You may use the able to keep took will be reported on the well what it's before to haren so you have an publish structure. And, since the mobile Make exception is affined a waste of the union

Where to Get What You Need!

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interfaces between an 500 mag capable seamer and SEVERSE used: DOI: (This is a hor) use.) year competer. Make one you religion you want the next for \$300 to \$400. Kits the always n. Their skying WI \$32.13 (404-781-2482) They will encryphing you CCS Company, P.O. Box 11391, Milwauker.

refregrim ESV's through the keypad unless you rethrough the keypod on the handwel. (Note: You can't publish a book called NAMEAX for \$179 that jobs 964-36741 They see in this reader for \$1295 that can with the physic and ware ! you have so to program handeeds of different cellulars for \$1595 and a NAM programmer for \$1195. They (maximum is 30 lens). Tagy also sell a security model ead ESN/MIN, etc. but only from a short distance Mountain Flore CA 94043 (SEP-2021-1901, Flor 417) Curds Electro Bevices, 1239 Pear Ace

Churchman Dypass, Indianapolis, IN 46263-6609 but supposally has a longer magn. Price: § 1495. LID. Tooler, the series similar to Come's ESN cooler (20日本学の場合の「Linderfells The vertain Control Waterek Communications Dic, 2808

ignorm bordiers for \$104.85 (Ltd., glid one injustif) Secremento, CA 95841 (916-924-80/01 Tagy self Peodham Electronics, 4539 Orange Grove Ave.

department from a 68-468-460460. This trigginal belts in service manual shar's used in their cellular service all the absolute count to have. classes for \$30. Ask for the Optim July Hotels Motorola (800-455-5202) They self a cellular

beside vissibinite Option's Namber Send for tuning Redop Company (800-829-0572) They publish

cities. Some self-convertill track at flagged cell phone

california and or granted with roughly and properties tapped as a close by the phone company. These these arranges in two metures, thus that ESN/MEN is Chard Stock B cats from Outers. We one the card impossible to travel in such a shop period of time efforwards, but from a discorde from the first call that is and the rumbled phone places another call score method they use is when the and phase phase a culdisturce calls per hour/day/month, can Acother companies cely on realthing cell performs of visually impossible to delect. On is it? Seasing Marketter, and exapletes will at 5.10 pm. At 5.12 pm Essaple: At 5 pm Fiddy Phone A calls from off by a sember of parameters; notices of local petential four-libert poore. These liags can be serve go phones and flag the phase calling that cumber as a combined that have been previously called by tembled endentities will treat hospitatively of people that exiall kinds of flags and whistles go off! The security cally in Chiman, Alabama show up in a stort period calls to Egypt show no in a day or 80 long distance substriberal histories to autotat use, i.e., when 200 With we know a properly closed cell phase is

from cell spelip cell spe-

via this method because yearly impospible (stancel ned isompostop is in the closed phase, deceasion discond All one captures all the data off the reverse 何日 20年 年の 2000 DV TSC Collection phone in the 大中で大大学 for the different PSN's, manufacturer, model, SCM's, ex-Concrete thangepass cell company software looks

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go to remember (or.) coannels are 800 Box1 (Shc. wher 12 years I finally care test, it testly but the box readed to soul revene Since I'm letting the call not of the bag for the first

getting into an American military computer system in the summer of 1991. May be too Dramatic actual footage of Dutch hackers THE EXCLUSIVE HACKER VIDEO intense for young viewers Middle Island; NY 1.1953 \$10, VHS NTSC format 2600 PO Box 752 2600 Video

Allow 4 to 6 weeks for delivery

Cellular Magic

to continued from page (1)

CONTROL CONTRO AND THE STATE OF STAT China Statist States States at the state of the states at the states

coverage area, there will be some averlapping between so show how the system is laid out. With a minural board. However, the houghts despertantly their trader is possible to bear many, most, or all of the ceils in rádio signals. Inclusional cell chape is more or less being after to receive more cells. Due to the nation of live to a boardour, the greater the chances of your your city, depending on your hundren. The chosen you and The dell massaritter is in the widelie of Grossik II hoosysteed diagram, you can see how they are hid three to five or less if yes take a look at the be venical entrance. These base sees have a range of be explicit that monitoring the mobiles. The cell best ACCOUNT TO SERVICE THE PROPERTY OF THE SERVICE OF THE PROPERTY tread on top, and exemple a couple of what appear to Menitoring of the free vites is obviously going to

capture only the secretors agnotic you should be able practical range of a cell in three to five miles, you'll be likely bear the E cell in the upper right, rather than the received signal, in the above diagram, you'll most will depend on your leastion and the chength of the taken all seven wills. Which one of each dell you hear the recent of the PM cransdrivers at the cell view (they the object both a fit father away. Severally, due to C. F. and A well's you're near. Since the transmitte above diagram, you will be able to easily hear the Co If, for example, you have near the cate, isk ("I in that

cenier of highway FF and M." and you know where the antenna that costs with the sensors, mitties congstabile Sequencies" is is useful, headers, for sides of the resource ion if you becaught to the antenna belongs to. frequency tisting above and determine what well that the cell site arienta is in that was you are check the will be decreased down to one or two miles. determining which channel cell perfection if you use the cell frequencies. You may not be able to hear both forgodicies. If you have someone say, "I'm at the mobile is in. This is also useful on the cell suc charging the scanner readout again a the cell list above will be repeated on the cell size. It's becar to lister to you have an dusdoor attends it did since the northly | 1955年の名の名の Miller you can bell what cell the Mobile recipition is although a retaile of other unifor-

Where to Got What You Need!

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interfaces between va 800 mbs regable scarner and need for \$100 to \$100. Kits are theapen. Their devices WI SALL (ALA-TSINSMIN) They sail everything you REVERSE model DIX (This is wise level) your computer. Make one you will often you want the CCS Company, P.O. Box 11191, Wilesottee,

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Churchman Espass, Indianapolis, IN 46203-4109 but suggested a has a longer range. Price \$1495. F.D. Tester? that's real senter to Curtis's EEN reader (\$00-246-65% or 517-785-5965) They will a "Callular Wasciek Communications Dis.,

reports from the roy \$139,95 (1 bought new to yould, Sacramento, CA 95841 (916-924-8437) They will Needban Electronics, 4539 Orange Grove Ave.

all! All absolute meants have depositions, from 4 68-407-400-60. This mismot netty in chapter for 530. Ask for the Order Follishees: service manual that's peed as their definier service Motoroda (800 4.01.5202) They sell a policier

broke pitrior to Curtis's Nambas. Send the catalog. Bishop Company (800-829-1852) They publish

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From cell also so of the

changel. (If one captures all that data off the reverse charact and ancorporates it in the closed phone, descends for and different ESN's, much factors, goodel, SCM's, and sis, this remaind becomes nearly impossible.) that are level-by the college phone on its 3EV23SE Common discrepancies cell company estaward locks

as the presing energy and persons burn out the phase before the first mouth's fell agrices 10 and saids to subsende to a sectular sarrice, then Some during souls have been known to use false

2000 hers total year discovered is just now deserting via cellular praeuding. although and frequently. A new era pot soon since the like widden, Virgally cething can be also so stop the informed plume played as he will charge #580AgN to and spread the the underground, fraud will increase phones in existence becomes "enothed" and resortions secret software of the over 300 Speeds of epitylar The future for cellular band is while open. As the

get to online a level. channels the ISOO BoxC (Sect. 2001 12 years I finally tions have. I havely dublish but seeded to read reagree Since I'm letting the car and of this key for the first

THE EXCLUSIVE HACKER VIDEO 2600

getting into an American military computer system in the summer of 1991. May be too Dramatic actual footage of Dutch hackers Allow 4 to 6 weeks for delivery intense for young viewers Middle Island, NY 11953 \$10, VHS NTSC format PO Box 752 2600 Video

acronyms a-g

35 Bunded Signaling

生物語 のまれて マヨナショ ないかにな BFI Basic Rate Incordace

in the ND community seeing as I got much of the day from the and but with teamers. If anyone thirds easy fall Here is a list of teaco scronging that I gut logisties. I Incomplete their pieses send conflictuations to 2000. permet take fell enedê however. I havy to shenk eseny by Echo

SAN COME S A Con Central Office Equipment Paparts SMCC SA Control Control

ADDOM Pakended One Compressionations Control ACU Automatic Calling Unit ACE Appropries On Bureau MES Allemated Billing Keryes ABIKE Average Busy Hour Calls ARRIVE Average Busy Season Busy Hour ABATS Automatic Bit Assess that Syptem AAX Automost Absorber aXctopge AD Arabeg to Gigital

ALES Analog Dice Front End AUDO Automort or Guidolo Alth August and Intercept System. AICO Automatic Identificated Conserv (Disting ALSK Amortalit Proquetcy Shift Keying AFADS Automatic Force Adjustment Data System ACCU According Display Call Indicator WITH PRODUCTION OF PROPERTY AND ADDRESS OF THE PROPERTY ADDRESS OF THE AFAICES Automation FACTROS Test System ADS Auditor Data System AUS Advanced Digital System ACM Assertained fluing Namber ADS Gudie Dietroud en System N'PORTUR Automotic Intercept Communications Controller

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AN Automatic Number (described on AND AT Number Calling ANA Automotic Number Appendigment AN Accopiled Number AND PURE COLL NOVIN PROPERTY AMERICUTAL AMERICAN Information TECHnologies AMATES ARA TeleProtecting System

WHO Persone Rough Believe AFIE Audionous Recorded information System AR ARM Report AFS Automode Protection Switch ARC Audio Response Curbo lar AND ARREST PRINCE ON SERVE At Altached Processor Allow Auxiliary Operator Person System ANS American National Standards Inchine AWF Automatic Varieties legislitration failure

> ATRIANTENIA Busy AND Automotic Transmission Control ACTOR CONTRACTOR MACONSTRUCT から700世 からりのできなりずに「アのものと AUDIX AUDia Information eXchange A TI of A 100 Information System ATTCOM AT&T COMmunications ACTIC Automatic Transplacion Test end Control ATES Automated Traubia Reporting System ATP All Tests Page Affects Automated Trank Magazinesis System ATM Automatic Tepe: Mindring ATR Disemble Trunk Rouning АПЗ Алічняць Геретіну брегобраска букат All Paremack Test schiot. ATH Abbreviews Transplanters ATET American Telephone and Telephon AT Appear Tandon: ASPEN Automotic System for Performance ASOO Administrative Service I Ivereight Center 45CL American Standard Code for followskien Evaluation of the Network

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BETRS: Busin Exphange Telepoparminiosanne Regio THE DESCRIPTION TO BER BY BY YOU PAID BCD Blocket Chil Beliged SSF Band Elimination Filter 8C5 Batch Change Supplement 500 Bloom Goded Decimal Billing Data Transmitter BF11 COmprehencing the Research

BITNET Becaused within NI, I work BUDS Busy Line Don't Answer BUF Busy Line Field EM Blu Fer Inch KOT (Regionary Of Table BOSS Billing and Order Suppose System 50% Business Office Supervisor BORSOKT Bettern, Overvollage, Ringing, Suppression, BOR Basic Output Report SMR Bot National Research Desperation BLS Ensiness Listing Service BISE Business information System Programs BHC Stop Hour Date Coding, high id Teating はこうしこと べきながらない But Operating Company falled Number Screening

CC: Central Control ERX Computersed Breach eXthongo CBS CresuBur Switching CAS Circuit Associated Signating CAVS Collocated Automotic Intercept Seatern CAT Chair Administrational CAL Call Assembly Indian OND Computer Aided Dispassion CAC Chou's Administration Center CARS Darker Asserts Rilling System CK CATA BVT5 SandWidth Text Set 現在一世の名の名のでのでは、「大大 SWM Stoccost Warning Maconga DOD WILLIAM CALCASON CARGO 68A Billing Validation Application BTU Brick Terrialities 81M Falling Telephone Namoor BST - Hook Sarvices Technical Journal BSTJ - Bolt System Technical Journal BTL Bell Telephone Laboratorius THE THE MACHINE POSTER BSDC Bell Evisions Operating Currowing BT 8.6 Temingion BUT TAKE WELLER PROPERTY SHE SHAPPER SERVICE COLLEY SORT Groy Souton Blog from USA BUSIN DATAING ARRESTORS かいかがき はったをし Checker Administration Concer-Bull Street Funds Comparered Autotral System のまではる 本のの語の 切の位を Coding care Authorization Christian Tombined Alternate Description

OCNC Computer.Communications Selevors Center OCH Contemes Conceptled Reconfiguration CCSA. Common Seated Seatching Arrangement COTT Comits' Committed International Telegraphique COS Common Channel Interoffice Signaling Child Comme Consultation into the one day made. CATLAS Controllised Automatic Trouble Locating and Call A Centralized Automatic Message Associating CALRS Contributed Automatic Loop Reporting Systems HIAW Back Informations appear Vessage B0000 Boll 5ycom Reference fringulation Strandard BSCM BiSynchronous Constraints Sector Models BFCS Business Residence Carram Service ERAT Thurses Septimence Account Tracking systems Damago Brancal Repairs Controller Contributed Automotic Reporting On Trunts 007 Carand Ottown 02 Carand 2 ogrann COSMOS Compalished System for Maintenne 205MIC Common Systems Number Sensor on CHRIST CORPORED LINEAR CONUS CONGRESAL United STREET CONN CONNECTS COMBAT COMmunications \$416 log COUT Cereal Office Line Textor CORES COR Engineering Specim DOL Carried Office Equipment CODER COST DECEMENT DOUGH Dance Office Data Connecting Facility ODG Data! Date: Cappel COMM CLOSSIFER Owned And Multiplicate SO CERTIFICATIONS CAS Compliance of Name | So vice ONES Office Malayert Management Sychall CM Common Newson, Incertage ONCO Costo sor Network Control Center. CNAS Customer Name Address Burgay ONE COMPLETED ON Recent Application CINE Contract NATA Address. 02 07070 E0000 CMU CCLTS/examinate Unit CRS Call Management System 1390 Construction Maintaining Constr GMAC Controlled Maintenance and Administration OH Oalling Line Steps CLET Common Language Equipment Ideathogour このところの いきなる 小田の中 とうじゅうへんののない CMT Callular Mobile Telephone CNOS Centralized Resugge Only System 920 CLU Common Language treation learner ration CUD Culting Land Machineron CITIN Failing Line Directory Humber CLASS Custom Local Area Signaling Service CLASS Contralined Loral Area Selective Gignoring 015 Gustomizac Improspt Service Of Dail Monthly Index CIC Contention of the Militarian Code CFR Code of Federal Populations CFCA. Communications Fraud Control Association CSY Controlled Environment Vaul.
(2) Condition CIXCL Committee Discounced dash Proce EGN Committed at Book Variety OST Compared y Sittle enginterior angogon. OF Other property facility COR Call Disk Resoluting CEPE Costomia Cial Ridge Resolved (1987) (2013年 日本の大学 1987) (2018年) CDF Contained Districtional terms CDAR Customer Cided Account Recording ADI ARCE DIGIT CONSTITUTO Cheraceus 00000 moneye emen Communications Management Subsystem Circuit Maintanance Bystein Customer information Egninol System Craft Disputch System Corne sational Municipal Society Careb ned Main Depropring Frame Application of the second property of the second se

Page 34

AFU Applie Resources unit

BESS BOOK FOCKS SANCHES SERVICE

Bell Solve Of Cornact

DON DON'T CAMPBELL UNIT

OCTAC Computer Communications Trouble Analysis

DOT Central Control Terminal DOS Hundred (Critical) Seconds

Darwin China Table 1

OCS Company Characki Signaling

COH Connections per Circuit per Hour

Computer Control Campo Compal Control Complex

Communications

or Telephonique

CC Country Code

Common Control

CDA. Cein Detaction and Amount street

CDA Tak Dais Accomplator COV Calling Card Validation

AREK Automated Regarderation Burgott

CPE Custo You Promises Equipment Citi Cantral Pales Digital Age CPC Grount Provisioning Contar CPC Debater Phone Formpacy

CTT DOOR Per Four

CSAIL Completed System for Analysis Reporting CBACC Contomic Service Advantage Control FRSAR Georgia of Repair Service Academing Street CRB Conductived Business Systems CRT Cathode Say Tube CARS Eustamen Second Información System CREWE Cubic Repair Jones Management Pape OH S. Foreverried Rings Exercise with Gain CRC Cyclic Redundance Charle DRO Business Second Perses COMM COUNT ROUGH ACCOUNTS OF ACCOUNT CRL Central Processing Unic OWN Carrier By Tolk and Measurement from OPE Cost Per Minus Offi Cumputer Fried's branch overlange otterface Marker discussion from

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DWI Delia Wan pulso on Logic

DMS Dest Management System.

HARW Distributed automatic reference system Acidia Septembril Units Distributed Units

Units Distributed Assistance Septembria

DAS WOT Distributed Acid Septembrilland Deg 1 mgs

DAS WOT Distributed Acid Septembrilland Deg 1 mgs

DASD Distributed Acidian Septembrilland

DAS WOT Disk fundor And Stromer Watel, Day DASD Direct Receipt Student Strong Cleaner CAV Data Attorney for par DASD Data Strong World DASD Data Strong Attorney for DASD Data Strong Attorney for DASD Data Strong Attorney for Care of D

0.940 Coro Base Administration Center 0.845 Data Base Administration System 0.845 Data Base Administration System 0.941 DataBase Manager 1.88 DataBase Base Services 2008 DataBase Base surresponding Segments 2011 Data Chroni terreinaling Segments 0.841 Data Chroni terreinaling Segments 0.841 Data Chroni terreinaling Segments 0.841 DataBase Droot terreinaling Segments 0.841 DataBase Droot terreinaling Segments

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CAT Bas Charle terrinating Squighters
CAT Bas Charle terrinating Squighters
CAT Discharge through the CAT Bas Control Language
DEM DispharControl Tips Upon
DEM DispharControl terrination Process control through
DEM Dishal Consentance Process control through

DOMS Dembered for Mountement Speem

FOMM Digital Consentation Moderation Land

DOM British Central Processor

FORE Details Extract Processor

FORE Details Extract Processor

BUTHIN Disposed Consent Trace Graft Keying

GOS Stiplet Consent Responsibilities

GOS Stiplet Consent Respons

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> OT Cata Transmit OT Degrado Terminal

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Oils Digital Interface France
Oils Digital Interface France
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Ref Gigital Interface Content
Pacco Digital The Content
Pacco Digital Look Content
Digital Look Service
Digital Look Digital Look Digital Digit

OMS Clark Machine and System

DMS Design Manipations (190)

DM Design Manipations (190)

DMS Dynamic Network Controller

DMS Dynamic Network Household Notice

DMS Dynamic Network Manipation Code

DMS Data Network Manipation Code

CMS Data Network Manipation Code

CMS Data Network Manipation (190)

CALL Policid Nothbur Reported

ONX Dynamic Edwork X commed

URG Comarks Common Common

DOCS (Birghay Operation Common Rysgam

DOCS (Birghay Operation Common Rysgam

DOV Department Of Justice

DOV Date On Moder speech

DOCS (Bigliot Office Transpa Supply)

DOCS (Bigliot Office Transpa Supply)

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DPS Date for each or mit doe

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Peace Income proposition amplification
Del Digital Report Interpolation
CRM Policial Special Interpolation
CRM Policial Special Interesting
OSF Capital Special Fracework
USE Politania Sentine Register
DSS Consistation Security
DSS Consistation of Contract
DSS Contract
DSS

ESN THROUGHO SW Gred Scinors BBL Emergency Stand Mano ESP Excepted SuperFrance ESB Emergency Service Burgou Bible otherwell Follower Power EPHON Erosable Programmable Study-Only Memory EPSCS Scharcout Programmable Comprisionation 138 Electoric Serial Runder ESAC Flectopic Sylveitares Associates Cacter ERU Ener Baltern wikings, Update CRI Solo Return Cons SRSP I refrontage of Federal by Editing and Printing 58 Errur Beginner CRAP Hade Return Address Magneter CPL Electronic sedicting system Program Language EQT (and Orling Toll Trunking) FOS Extended Operating Second EGE Electronic Order Exphange TO BY OTHER 10,500 Exchange Subweck Funding for Engryage EVIS Expanded Vernory Specification EXTS Electronic Say Telephone Soc. ERG Economic Impact Study System Elli Expanded Inhand Signaling ERRAP E ochonic fiseder Saute Analysis Program EEL Equipmento-to-top spread into these CEHO Exected Hop Of EffOr I spanded Electricate tendent we having Dialing EBLUIC Legended Binary Coded Decimal FIRE Distriction include its Association BEGT End to Boo Call Trace EDP Electronic Data Processing ED: Evelopely Both Interchange FDSX_flactronic Cig/fol Signar X-connect EDAG Electromechinemi Dighty Adapter Great FES Thropolic Croscomical System EGPT & potronic Com Public Telephone Of Enhanced Connectivity Facility EGNE Electronic Euclidean Access Program BAS Extended Services to DEDAONA BADAR Selever Canage very BBM receive & translateter & Mouth signaling 8005 800comic Cipanthed: Cell Seconds FCC Enter Carde Change BASID DOLAR ACCOM SCINICK DOLA THE PROPOSE STOCKED OF STREET SARN Scrögeen Aredemic Heepyth Makes o I A60 I could Access End Office EADAS Engineering and Administrative Para E801 Envisores 901 E-COM Geographic Companies Diagnosted Mail DOX DONG SCHOOL ON THE PARTY DTF Did Torrell og OUN ONLY USER MICE OTU Gregorio Terminal Unit STMF Deal Took Male Insquercy DTC Chegroup To minal Controller DIAS Digital Year Access System Section 2 STOCKER. With the second second Intereschenge Cook Expected Versions Look Digital Transmission into face Frank Office Track County Date Torminal Equipment Digital Truck Described

GTS General Telephone Company GTS General Telephone Black onics 517 Saba' Tity Friedricken GRAT General telephonic and electron os \$4151bg GRO GROUND 084 Occarations because introduction GREEN GOOD GROUP TO SEE STATE OF THE SECOND CHR Wingel Pyrocke Interface Bus GP Group Properties OFFI GROUNDS GOS Grade Passendos 970 0884 OLSE 1900 CONTO GEISCO Germal Flactor Interruption Services COM Linguist Condition Styles of OBS Group Bridging Swarm 6% foreign exchange 5.15 Federal Terecommunications System FTF File Telepoter Projectol 116 Final Track Group FSK Foregressy Shahaleying THE TRACES FOUR DESCRIPTION FO PALBER TOX TOX Opacs Assessed POC Files Outle Communications Palitis Totalign Numberling Plantanes FMAC Facility Maintainsnor And Concret FM Frequency Modulation FIRS Enderor Information Processing Standards FIP Fuelity Interface Processor RFO English Size Out FERS Eacility and Societaeri Panning System 2 t D. Far End Doca THAT I FORMS TO DESCRIPTION OF THE WHITE FOO Freetray Croup D FGC FGCCPP Group C 633 Fearure Group 3 FEE Fundred Voice ETSACI Electronic Tendon: Seatching Administration EDX Full Cupies FOR Faild Development Program. ROM Frequency Obvision Multiplesing FCS Frame Line's Sequence FCG False Crims or Ground FOR Torograf Octombrie Charme FCC Federal Communications Commission FOAP Limitey CORNERS SAST First Application System Tea-FACS Facilities Assigned end and Control System ETSSF ETS Status Panel ETP Electronic Foll Freud FAT File Allocation liable ETS Electronic Translation Syspen. ETR Electropic Tancers Network 2000 Electronic Switching System (Mchange 188 Commit Swamming System ESP Enhanced Service Penddor CS File Corp of Systemation IAR Poderal Adjustition Regulation IN FUSE A SIGN 5748 Emergany Technical Assistance Supplus Channel Interface DATE OF Follow Group & Electronic Bandem Switcherg Foreign Lieuro-Modive Force

l'age 36

Page 37

Looks like that's all we can lit for now. But the

detroid had seed by areas more theiling!

A STUDY OF HACKERS

by Dr. Williams

gethin ino rouble, or at least more publicly then sundry. Hugh thought carrying out the sturn may went to the News hanging out all of the dirty disgrantied employee left the MaS crow, and About the time his was to carry out his plan, a did set up a soprieficated consistion of the M15 rough the and early out the plan, even though he they were really eying to get into his system excludements gamp vieges, when unerowingly hadres. The hadrens would get into the system the most notatious hadeing target for Breish He wanted his home system to emulate the Milit to gain access to it while he monitored the results maintainne system, his would let hackles attempt his home computer system to look and act like a Hugh Comwell discussed an idea of setting up he warred, so he didn't go though with it In The Histoiran's Handbook on page 123,

Constitution of the results will be a fourth of the I just carried out this idea myself, and

computersystem under the guise of UNIX. systems. The dives used MINIX as a model to because I mought it could best mimic a big tinisting the class. I decided to use MINIX 12,000 lines of source code written in C. After made to be run on ISM and its domis. If this over compatible with version 7 of UNIX, specifically study and modify. MNIX is an operating system I had just completed a class in operating

Overall, I spent six months worth of tree time also gathered statistics of the users' activities. program which old the actual mimicking, which additional mail facilities. Finally, I wrote the interesting netres, eye catching items, and characteristics - putting in games, files with items, and emplation style. I added some appearances: names of file, dispracies, symax of while to do. I had to change physical device driver to run the modern, which took a MINIX operating system. Then I had to write a I had First litted to reformed my hard drive for the UNIX though, not to member the time constraints all that was appeasing to fool expendence or biasi bayond the capabites of my machine to do were indeed on a UNIX system. If would have of boding novice users at UNIX into thinking they pseudo-system, one that I thought was capable It took me a while to build an appropriate

and administrative functions, and packup status, and so on, it showed different citik paicks, quota, terminal statistics, tree species, primer job users on, different processes being nun, disk regards. At various times, it would 'show' different had most of the fies which UNIX uses on system The program was made to imitate UNIX in air

thought this could get me more trouble or something the "Booing node #2, please login", or CORPORADO SERVICE attention than I wanted, so I settled for a more General Dynamics Site 3, spot 21. However, I On the login surger, I was tempted to put

COUNTENT TIMES

※なるは、またないことは、またはなるないないできないなっちいっちないないないないないというというというというと There was a trash on igroup3 on 6.8.89 at After logicities has somen would show.

approximately 03:00. Some files from that logation have been defeted. Please inspect your account for file integrity. Call the

group of people interested in remote control tians and planes. Please call Jeff Smith at ext lies from backups. There will be a gathering operators at ext. 3524 if you need to get any lunch for all employees wishing to form a on 52469 at noon in the cafetonia during 2146 for further details.

and the prompt with

number in the square products was increasing Every time a command was entered, the

files with tempting names like CAR, DATA which could only be executed with privileges, and also could only be read with privileges. Every time smaler items. To egg them on, I put in games password life which UNIX uses, and a few other using the same encryption schome for the mail bugs, writing commands to the 25th line, and the account into getting more privileges. I left in bugs, hoping sometanty would by to manipulate the account legislation, I returned most things PRIVATE DOC, and DOCUM, SHORT who'r In the program, I left in some liamous UNIX

> to give up his dorm room phone for a few dratically diverged every time the person legged plugged the computer into there and let ler rip. months, since the was taking off anyway. So observations. At this time, I got a friend to agree ortin it it also helped any marker raise accurate thought it would look more phony if the account lot of people would be using a few accounts, time. I didn't live during this, but since I thought a than croe, they had to start from scratch every they had made. So it a person logged on more back to the original setting, including any gains

a message teling users to call this heat "system. SPERMENT SEC. 250.00 Trecently discovered an account to a UNIX discovered. The message work something two coards which I had textur printages on I posted and the absidence community. On the bulletin different largers: hadvers, hadver wanna-bers, I wanted to put the accounts into three

The account name is IPAULS; with password

Personal States

some of my friends by word of mouth in the were more fieldlest on I changed the account account/password combination. academic community, but with another different name and password. Finally, a week later, I told I had only a normal status on, but where there mosego or different bulletin bosetts, these which A day later, I posted the same sed of

posted the message on that it was all a houx - an tempted to tell the system whose system their a lot of people had soon the message. I was a day, it still served my purpose though, because Reep the following mornation. experiment, but I thought some of thom wouldn't The other half half the message areast in about organist the investage in less than a few hours. erased the message. Over half of them had posted the message simed for the "Niddles" that a foll of the sysops whose system I had Something that I predicted would happen is

a lot of the sysops wrote me mail back, futious hadver crowd were lost it posted the massage 17 account (no loss). None of the massages to the type of message again, and even deleted try to cell the police, wanted me to never past that was not into that type of information. Unsalered (undorstandnow). Others said that their board thought I was putting them in legal jeopardy that I had posted that message. Most of them Something which i sort of expected was then

> low of nor pospole. grid kold four friends who I know presend it on to a times for the Modifier, the links for the hackers,

anagent or have utlefor motives. everybody can read it. Either I had to be really combination on a public BBS room where predy hokey to gost an account/password about it he or she might have concluded that its I suppose it somework would have shought

kept on Frying MS-DOS commends. They to UNIX, it is pretty user unbiently. operations in UNIX in bitrasss, Typutie not used couldn't do a disk directory, or any other basic fantiler with the UNIX operating system - they privileges. The first person dign't seem to be able to jump the image I set up to gain tertien doing. I wanted to see if anyons was going to be it would be somebody who know what they were the system got its first call. I was really hipping that Within eight hours of posting the message.

side to locate some of the targets of literest I put sport what was going on. They were logged on in, but did not gain availes. The resign of the system with A few of those were what the overall system looked like, and see what find out the atributes of the account, get a view of under the hadvers' account. They were able to The next few callers seemed to know more

didn't really know how to manipulate the knowledge of the basic UNIX commands, but the UNIX system. Some of them had a cursoly usage. The majority of them were unfornition with Next, the leadlest account took a big jump in

which work on UNIX but not on MINIX using some of the more sophisticated commands was around and split. One or two of them ned what was going on. They book a look to see what long on the account. Since they knew more about academic account. Most of them didn't spend too Finally, is hew calls started corning in on the

quarter of the usage came from people who had no experience with the UNIX environment were characteristic of these users. Approximately a of other PC's, inabity to access the help file, and times the account was used. By looking at the log UNIX Using MS-DCS compands or commends of its usage came from people untamiliar with of commands from the leader account, about helf the account, but I did keep track of how many know how many unique individuals logged into what the overall attractors of usago wave. I don't Over a two month period. I was able to see

that has been read. tuther privileges, and attempt to note the appoint interest, find most items of importance, gain not do anything sophisticated. The last quarter account and system, wander around a bit, but old were able to find out the basic structure of the expect. They were able to discover sems of had at fersil competent users; some where guite exposure to UNIX with a basic knowledge. They

around on miss bugs, finding bugs in commands a more privleged account. This wasn't suprising that. The rest seemed to be recently spriced either, since much ado has been made about method was written commands to the 25th line of rease manner the steps were taken. Users which can skels in privileged modes, or some the root password. The next most common would by to decypt the password his and gain William State of A. Some showing how in a cookbook Opportunity the states matheut, being antities have of suprising to me, since the Contell Worm used publicly readable but enarypied). This was not a to read the password the (which, the in CNIX, is privages. The other two finds must aske been competent, only one third of them that to gain most popular scheme used to gain privileges was coment where they were at 10f the others, the From the 50 percent of users who were LINEX

only minibbest the root pricings, and did not allow different people. The program I had written seally person who got root privileges 25 times or 25 privileges. I didn't know though it thet was one operator privileges. Out of that 68 percent, 19 percent of them succeeded in raising the total control of the machine. percent (25 people) were able to get root percent of the people were able to get at least accounts privileges. Out of that 32 percent, 68 From the third of the users left over, 32

using the help flos excessively, entering reary did. Some of the kiddles did some real stupid continually trying to access tierns for which they incorrect commands consecutively, and Other items which were not as obvious were checking out every fite in every sub directory. married. Others compled around the system, deleting files, or editing files in an abvious things, like creating lives seying something live. had unsufficient privileges. The most reated to the amount of study frings the user "Ha. Ha. I'm a hasker and I'm in your system.". The application or the user was directly

> great lengths of time. Out or those who gained someone deteting a life on purpose without without leaving a trace, kept a low profile of Some of them successfully adjust the user log privileges, there was only one incidence of activities, and did not pay the games at all or low knowledgeable users tried to high their presence

to risk getting into bouble. curious about other systems, and just didn't wan disappointed at the low turnout from the secured to be that some people just weren't also given the account to, and some of the reasons. academic community. I talked to somebody I had unique people used the accounts. I was have no way as knowing though how many and the academic account logged 355 users. I hadding, had logitimate accounts, were not uses. The hacker account logged 1,432 users, Owerst, the kiddle account togged in 2,3%

UNIX. However, the best users carre from the but did not know of the security shortonings of the apposite; they know now to work the system. wasterests, but lacted an overall understanding eite orust of students who are also haveness. ecade no account, where there was probably an al the system. The academic account was just seemed to be most lumian with all of the system from the kiddle account. The hacker account Overall, the most incompating users carno

people had seen the spread the word around. message, I wasn't womed, because enough from a friend or had "hacked" it themselves. That's why when the sysops deleted my the original message on BBS's. Soon, other account presewent combo, claiming they got it people sladed One side effect came shortly after I posted posting in o

disigne someway did, and I just didn't had our evened the phone number. But then again questions about it though nor old the person who done a predy blurk thing. I did not get any systems and look into the mater. After all, I had Their expected some levilagency to raise an

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Lawsuit Filed Against Secret Service

Action is Taken on Behalf of DC 2600 Meeting

especify where to got to the givest and the acting on behalf of the Stones Service, we know City mali by mall security officiate, seemingly detained, vourched, and gieded from Rentagor when the Workington D.C. 2000 Hearing way Rathilly awaiting a knock at the dater. Her sourrying back to their underground Sideouts, more than the intended goal of soulding them shopping and would have woulded in nedling hardssing a moreley crow of backers in a The Secret Service may bake thought that

boards. This was certainly more attention for anyone. is the Secret Some could be so distributed pieces feoughers the laterage and over bulletin took parted Commentations Daily, the Washington Prov. This is insublified to an unconnection or the ref Charles to the free page of the Kindegori Since the headart, weeks turn appeared in the

follow in offering their legal course. American Civil Liberties History would spen Electronic Frantier Foundation and the first to express inserest to our predicement. The were reliabled the November meeting, were the Responsibility, whose encubership applications Perchad jobs Computer Professionals for Social allowed to which away, and faced at their Unitediately by Bern, they were not even

presible less action against the propetrators of the saying that they had no information on any of the Baidf. The Sevent Service returned the regress, several meaning-goons who were interested in requests with the Secret Service on behalf of CPSR filed two Heration of lafermation Ac-

> coording-goods. This immediately raised suggistion as the mail security personnel cotteened everyone's nation and phone number at the November of the meeting goers was visited by the Score, CLASS End FOLK aqueon. intermation or any of the people on whose behalf that the Seeset Service had absolutely no Seing on the moll half in some black subsidy vasit, one of the against mode respective to his came Service subsequent to the meeting. During this eo infoacation on anyone involved. Tractiy, ore that they and yet the Sound Service said they had oriented. Becamblely a life was exceed on him or ago, completely problem to southing computerbeen valued by the Secret Service about two years some where. Also, one of the massing-gates had meeting. Presumably this information was on file

Act. The SS has thing days to respond. requested tester the fricedoth of Johnstian Service for failing to provide affermation February 4th, CPSR filed van agarosi the Social Acting on these strong suspicions, or

avenues to seed the Phiwers That Bola should ioticniche a group of blackers. message about what to expect which hypig to can begin to consider other possible legal 2699 raid. Once everyone involved stops agentairs origin have played in the November any, the Seriel Service and other government forms of who was behind the hardsonyou, we contradicting each other and a clearer image legal hide-and-seek to establish what rele, if All of this is majorly a profittingary grame of

Stay function.

2600 ROBBED OF TOUCH TONES

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conditioned and State State of performance this is what New York, Telephone has to enter into their To give one an idea of the abounds of the situation.

ECV:APPEND

FORM-IVENCHICAN-SHIMMATICAVEND They want to charge us \$16 to type that.

British News

by The Dark Knight

Sex, Lies, and

Audiotape

The government clampdown on telephose challines appears to have had an unfortunate effect on intexect telephone services.

Infessio, a West Country telephone sales business, may have to close after a judge rolled char its adult decing service was a type of chatline. As such, infessale would have to pay 20,000 pounds towards a schorne to nompensate BT customers who found their pione bills had rocketed hearise children were constainty telephoding chatlines.

Anthony Chappell, propriotor of Infosale, said the 20,000 pound bill would push his company into receivership. But worse still, Chappell said the regulations on chatines would force him to record his customers' dating conversalians. Chappell said the recordings would include the most judiment details.

On hearing this there are undoubtedly burshould of \$600 readers winning in horror at the scalisation that every time they ring an adolt dating service their owny word is being taped. I consider this to be an outrageous invasion of privacy, and hape that there will be a change in the

Keeping The Poles Apart

BT engineers are up in arms about telegraph pales. They have refused to eithe non-union pales which had been fitted by private firms in London and

the Midlands.

It is a protest about changes to usualitional working practices. The engineers had previously replaced old poles with new errors, but left the old poles to be collected at another time. This meant that they were paid twice for visiting the same site.

A comprenise scheme is now in place whereby the engineers have agreed to pilot a bold new initiative dreamed up by BT.

They will collect the old yabs at the same time as the new ones are fitted!

All Down To Those Family Connections

How many of you have experienced the pleasures of contacting BT's accounts department about that phone bill you know you've paid, but BT's computer says you inswer't?

Surah Caraberg was sont a final reminder and one of those friendly letters, advising you that your connection is in danger of being severed if you don't cough up. She obligingly delivered the body pounds she ewish.

Unfortunately those were a few crossed wires somewhere and Sarah was cut off anyway. She complained. Nothing unusual in that, of course. People are always complaining about BT.

What is interesting is the fewered respects her complaint scenes to have generated. Not only was also swiftly reconnected, but BT has launched at internal inquiry into why this cosk-up occurred in the first place.

Optimistic to the real, I would like to think this is indicative of a new ext

of customer responsibility at IFI, but I can't help feeling there were other factors in play here.

You see, Sarah Careberg just happens to be the daughter of Sir Bryan Careborg, who just happens to be the boss of telephone watchilug Oftel, the permanent born in the side of BT's praneing piper.

BT Charges Frustrate Competitors

The government has received proposals from over 20 companies wanting lineaces to run telecommunications services, but a large number are expected to pull our bicouse of restrictive interconnection charges.

Following market deregalation in March, the department of Trade and Industry has received bids from companies keen to evapote with BT and Marcury. But the proposal new system of connection to BT's network is seen as anti-competitive.

Viviono Petra, chief executivo at tho Telecommunications Users' Association, said since the access connection proposals were engounced members had expressed possimism over the likelihood of any real competition.

"The proposals are a barrier to competition as profit lavels will be too barraw. for reinvestment. As companies are still uname of what the costs will be it is difficult to make bisiness plant. I expect a huge fall off in interest," said Pecers.

Recently John Rectwood, corporate affairs netricator at the DTI, said a number of the twenty paroposals included "substantial telecommunications systems and innovative technological approaches."

National Transcommunications, the

ongineering arm of the former Independent Broadcasting Authority, has expressed interest in providing telecon services.

A spokesmen for National Transcommunications said the company was considering a number of options that combined its traditional broadcasting skills with telecommunications.

+

Northern Telecom has won a 5.8 taillion pound contract from BT's internal networks organisation. Northern Telecom is supplying an automatic call distribution system to speed up BT's pick-up rate on extended to purifies in Greater London.

Dowty Communications, in collaboration with local supplier commission Fraha, has won orders in Caschoslovakia catalling 700,000 pounds. Dowty is to provide business and technical support as well as hardware, including X.25 packet switching networks, to the Czechoslovak state and commercial banks.

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NEEDS. SEE
PAGE 47 FOR
DETAILS.
(PAGE 47 HAS NO
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2600 MEETINGS

New York City

Officery Center, in the lobby, near the payphones, 153 E 53rd St., between Lexington & 3rd. Payphones: 212-223-9011,8927; 212-308-8044,8162.

Poughkeepsle

South Hills Mall, off Route 9, By the payphones in front of Radio Shack, next to the lood court. Payphones: 914-297-9823, 9854, 9855.

Washington DC

Pentagon City Mail in the food court

Cambridge, MA

Harvard Square, inside "The Garage" by the Pizza Pad on the second floor.

Danbury, CT

Danbury Fair Ma8, off Exit 4 of I-84, in the food court. Payphones: 203-748-9995, 203-784-9954.

Philadelphia

30th Street Ambak Station at 30th & Market, under the "Stationed 7" sign. Payphores: 215-222-3860, 9881, 9779, 9789, 9682: 215-387-9751.

Pittsburgh

Parkway Center Mall, south of downtown, or Soute 279. In the food court.

Fort Lauderdale

West Hollywood Bowling Alley, 296 South State Route 7. Call value mail for details or changes: 316-566-8214, 1004.

Allanta

Meetings announced on local BBS (484) 612-0340. Chicago

Century Mail, 2828 Clark St., Jower level, by the payphones: 312-923-2695, 7875, 2685, 2694, 5097

Ann Arbor, MI

Galleria on South University. Payphones: 313-663-9727, 9410.

Bloomington, MN

Mail of America, load court.

St. Louis

Galleria. Highway 40 and Brentwood, lower level, igod court area, by the thealers.

HUSCH

Notheross Mall, across the skating rink from the food count, next to Pripe World. Payphones: 512-453-9334, 8855, 9316.

Los Angeles

Union Station, comer of Macy & Alameda Inside main entrance by bask of piones. Payphones: 213-972-9358, 9588, 9506, 9519, 9520, 213-925-9923,9924, 213-914-9849, 9972, 9918,9325.

San Francisco

4 Embarcadero Plaza (inside). Payphones: 415-398-9903.4,5,6.

Seattle

Washington State Convention Center, first floor, Payphonest 206-345-9300, 9301, 9304, 9509.

Munich, Germany

Hauptbatinhof (Central Station), first floor, by Burger King and the payphones. (One stop on the 5-Bahn from Hackerbruecke - Hackerbridget) Birthplace of Hacker-Pschorr beer, Payphones: +49-59-591-855, 1-49-89-558-541, 542, 543, 544, 545.

All meetings take place on the first Friday of the month from approximately 5 pm to 8 pm local time. To start a meeting in your city, leave a message and phone number at (516) 751-2600.

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